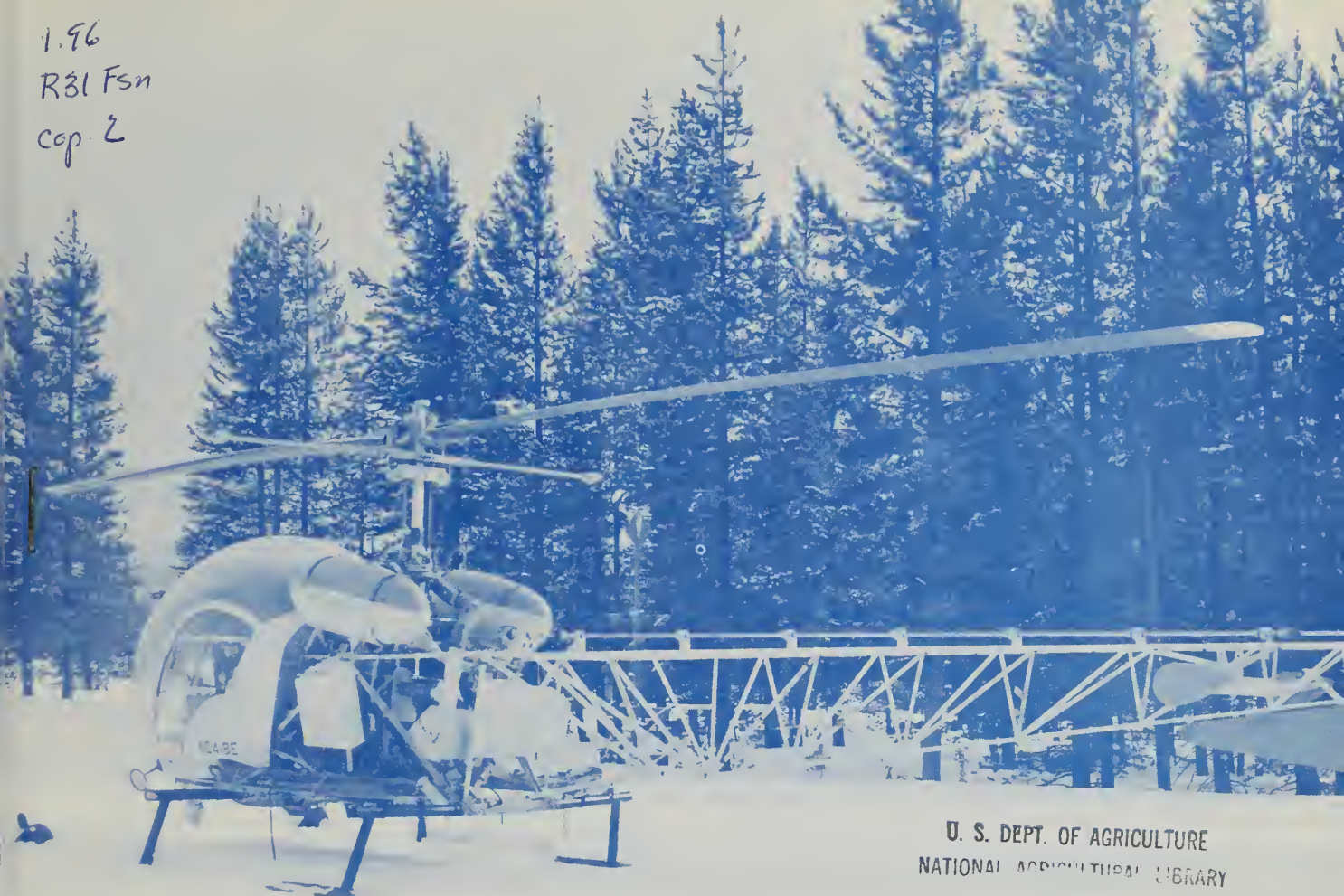


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WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,
and
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

AS OF
MAR. 1, 1965

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Soil Conservation Service, 511 N.W. Broadway - Room 507, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES_____	MONTHLY (FEB.-MAY)_____	PORTLAND, OREGON_____	ALL CDDPERATORS
BASIC DATA SUMMARY_____	OCTOBER 1 _____	PDRTLAND, OREGON_____	ALL CDOOPERATORS
STATES			
ALASKA _____	MONTHLY (MAR.-MAY)_____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY _____ (JAN.15 - APR.1)	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY)_____	FORT COLLINS, COLORADO _____	COLORADO STATE UNIVERSITY COLD. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE)_____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE)_____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY)_____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE)_____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE)_____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE)_____	SPokane, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE)_____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

Report prepared by

MANES BARTON
and
ROY E. MALSOR, JR.

SOIL CONSERVATION SERVICE
1479 SOUTH WELLS AVENUE
RENO, NEVADA

MARCH 8, 1965

Issued by

CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

ELMO J. DE RICCO

~~**HUGH A. SHAMBERGER**~~

DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA

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ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE	SNOW COURSE	NO.	PLATE
AMERICAN BEAUTY	15J17a	9,12	LAMOILLE #3	15J6M	9,12
BAKER #1	14L1	8	LAMOILLE #4	15J7	9,12
BAKER #2	14L2	8	LAMOILLE #5	15J8	9,12
BAKER #3	14L3	8	LAPON MEADOW	18L1	5
BALO MOUNTAIN	19H1	15	LAUREL DRAW	16H5	11
BARBER CREEK	20H5	15	LEAVITT MEADOWS	19L8	5
BEAR CREEK	15H1MA	11,12	LEE CANYON #1	15N4	7
BERRY CREEK	14K2	8	LEE CANYON #2	15N3	7
BIG BENO	15H4MP	11,12	LEE CANYON #3	15N8	7
BIG CREEK CAMPGROUND	17K1	13	LITTLE BALLY MTN.	19H4a	15
BIG CREEK MINE	17K2	13	LITTLE VALLEY	19K3	2
BIG CREEK, UPPER	17K3	13	LOBLOLL LAKE	19L17a	5
BIRO CREEK	14K1	8	LOUSE CANYON	17G4a	14
BLUE LAKES	19L5	3,4	LOWER CORRAL	17L1	7,13
BOCA #2	20K14	2,4			
BROCKWAY SUMMIT	20K22	2	MARLETTE LAKE	19K4M	2,3
BUCKEYE FORKS	19L11	5	MARTIN CREEK	17H3	12,14
BUCKEYE ROUGHS	19L10	5	MATHEW CANYON	14M1	7
BUCKSKIN, LOWER	17H2	12,14	MIDAS	16H3AP	11,12
BUCKSKIN, UPPER	17H1	12,14	MONTGOMERY PASS	18M1	6
			MT. GRANT	18L2	5
CAMPITO MOUNTAIN	18M2	6	MT. ROSE	19K2	2
CARSON PASS, UPPER	19L4	3,4	MURRAY SUMMIT	14K3	8
CAVE CREEK	15J13	8,9,12			
CEGAR PASS	20H6	15	OREGON CANYON	17G5a	14
CENTER MOUNTAIN	19L12A	5			
CLARK CANYON	15N2	7	PINCHOT CREEK	18M3a	6
CLEAR CREEK	19K5	3,4	PINE CANYON	14M2	7
COLUMBIA BASIN	16H6a	11	PIUTE PASS	18M4a	6
CORRAL CANYON	15J12A	9,12	POISON FLAT	19L6A	3,4
			POLE CREEK R. 5.	15H14	10
OAGGETTS PASS	19L14	2,3,4,			
OENIO CREEK	18G6a	14	QUINN RIDGE	17H6a	14
OISASTER PEAK	18H1	14			
DISMAL SWAMP	20H3a	15	RAINBOW CANYON #2	15N7	7
DOONER PARK #2	20K21	2	REO POINT	15H18a	10
DOONER SUMMIT	20K10	2,4	RESERVATION CREEK	20H4	15
DORSEY BASIN	15J1MP	9,12	RICHAROSONS #2	20L3	2
ORY CREEK	15J3	9,12	ROBINSON LAKE	15J16a	9,12
			ROBINSON SUMMIT	15K1	8
EAGLE PEAK	20H7	15	ROOEO FLAT	15H6MP	11,12
EBBETTS PASS	19L19a	3	RUBICON #1	20L1	2
ECHO SUMMIT	20L5	2,3,4	RUBICON #2	20L2	2
			RYAN RANCH	15J2	9,12
FOROYCE LAKE	20K7	2,4			
49-MTN.	19H3	15	SAGE HEN CREEK	20K6	2,4
FOX CREEK	15H2	11	76 CREEK	15H3A	11,12
FREEL BENCH	19L2	2	SILVER CREEK #2	14K7	8
FRY CANYON	15H7	11,12	SONORA PASS	19L7M	3,5
FURNACE FLAT	20K8	2,4	SOUAW VALLEY #2	20K19	2
			STAG MTN.	15H19a	11,12
GLENBROOK #2	19K6	2,3			
GOAT CREEK	15H13	10	TAHOE CITY	20K16	2,4
GOLCONOA #2	17J2	12	TAYLOR CANYON	15H9MP	11,12
GOLD CREEK	15H5	11,12	TIOGA PASS	19M1	5
GRANITE PEAK	17H4	12,14	TOE JAM	16H7a	11,12
GREEN MOUNTAIN	15J9MP	9,12	TREMEWAN RANCH	15H8	11,12
			TROUGH SPRINGS	15N1	7
HAGANS MEADOW	19L3M	2,4	TROUT CREEK	18G5a	14
HAGER CANYON	15J14	8,9,12	TROUT CREEK, LOWER	15H10P	9,12
HARRISON PASS #1	15J10	9,12	TROUT CREEK, UPPER	15H11A	9,12
HARRISON PASS #2	15J11	9,12	TRUCKEE #2	20K13M	2
HAYS CANYON	19H2	15			
HOLE-IN-MOUNTAIN	15J15	9,12	UPPER CORRAL	17L2	7,13
HUMMINGBIRD SPRINGS	15H15A	10,12	UPPER FISH VALLEY	19L16a	3
			UPPER TRUCKEE	19L1	2
INOEPENGEANCE CAMP	20K4M	2,4			
INOEPENGEANCE CREEK	20K3	2	VIRGINIA LAKES	19L13M	5
INOEPENGEANCE LAKE	20K5	2			
JACK CREEK, LOWER	16H1M	11,12	WARO CREEK	20K17M	2,4
JACK CREEK, UPPER	16H2A	11,12	WARO MOUNTAIN #2	14K5	8
JACKS PEAK	16H4	11,12	WEBBER LAKE	20K2	2
JAKES CREEK	14H1	10,13	WEBBER PEAK	20K1	2
			WET MEADOWS LAKE	19L18a	3
KALAMAZOO CREEK	14K8	8	WHITE RIVER #1	15L1	8
KYLE CANYON	15N5	7	WILLOW FLAT	19L9	5
LAKE LUCILLE	20L4	2			
LAMANCE CREEK	17H5	12,14			
LAMOILLE #1	15J4	9,12			
LAMOILLE #2	15J5	9,12			

INDEX TO NEVADA SNOW COURSES (By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN					
SNAKE RIVER					
15H1MA	BEAR CREEK	31	46N	58E	7800
15H4MP*	BIG BENO	30	45N	56E	6700
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H5*	GOLD CREEK	31	45N	56E	6600
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800

OWYHEE RIVER					
15H4MP	BIG BENO	30	45N	56E	6700
17H2*	BUCKSKIN, LOWER	25	45N	39E	6700
17H1*	BUCKSKIN, UPPER	11	45N	39E	7200
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H7*	FRY CANYON	31	43N	54E	6700
15H5	GOLD CREEK	31	45N	56E	6600
17H4*	GRANITE PEAK	22	44N	39E	7800
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL CRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
17H3*	MARTIN CREEK	18	44N	40E	6700
15H6MP*	ROOEO FLAT	36	43N	53E	6800
15H19a*	STAG MTN.	29	40N	50E	7700
15H9MP	TAYLOR CANYON	35	39N	53E	6200
16H7a*	TOE JAM	29	40N	50E	7700
15H8*	TREMEWAN RANCH	9	39N	55E	5700

INTERIOR

UPPER HUMBOLDT RIVER					
15J17a	AMERICAN BEAUTY	32	31N	58E	7800
15H1MA	BEAR CREEK	31	46N	58E	7800
15H4MP*	BIG BENO	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DOORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H2*	FOX CREEK	33	46N	58E	6800
15H7	FRY CANYON	31	43N	54E	6700
15H5*	GOLD CREEK	31	45N	56E	6600
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
16H1M*	JACK CREEK, LOWER	18	42N	53E	6800
16H2A*	JACK CREEK, UPPER	9	42N	53E	7250
16H4*	JACKS PEAK	28	42N	53E	8420
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	ROOEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H19a*	STAG MTN.	29	40N	50E	7700
15H3A*	76 CREEK	6	44N	58E	7100
15H9MP*	TAYLOR CANYON	35	39N	53E	6200
16H7a*	TOE JAM	29	40N	50E	7700
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

LOWER HUMBOLDT RIVER					
17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	7200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIOAS	18	39N	46E	7200
16H7	TOE JAM	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

EASTERN NEVADA					
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAYE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875
15L1*	WHITE RIVER #1	31	13N	59E	7400

CENTRAL GREAT BASIN					
18M2	CAMPITO MTN (CAL.)	19	55	35E	10200
15N2	CLARK CANYON	8	19S	56E	9000
18G6a*	ONIO CREEK (OREG.)	14	41S	34E	6000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	45	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

NORTHERN GREAT BASIN					
19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK	23	39N	16E	6500
20H6	CEGAR PASS	12	43N	14E	7100
18H1	OISASTER PEAK	8	47N	34E	6500
20H3a	OISMA SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	8000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

LAKE TAHOE					
19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M	MARLETTE LAKE	13	15N	18E	8000
19K2*	MT. ROSE	7	17N	19E	9000
20L3	RICHARSONS #2 (CAL.)	8	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	8	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARD CREEK (CAL.)	21	15N	16E	7000

TRUCKEE RIVER					
20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	DOONER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	DOONER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4M	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K16*	TAHOE CITY (CAL.)	6	15N	17E	6250
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K17M*	WARD CREEK (CAL.)	21	15N	18E	7000
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

CARSON RIVER					
19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETTS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

WALKER RIVER					
19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBLOLL LAKE	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250

COLORADO

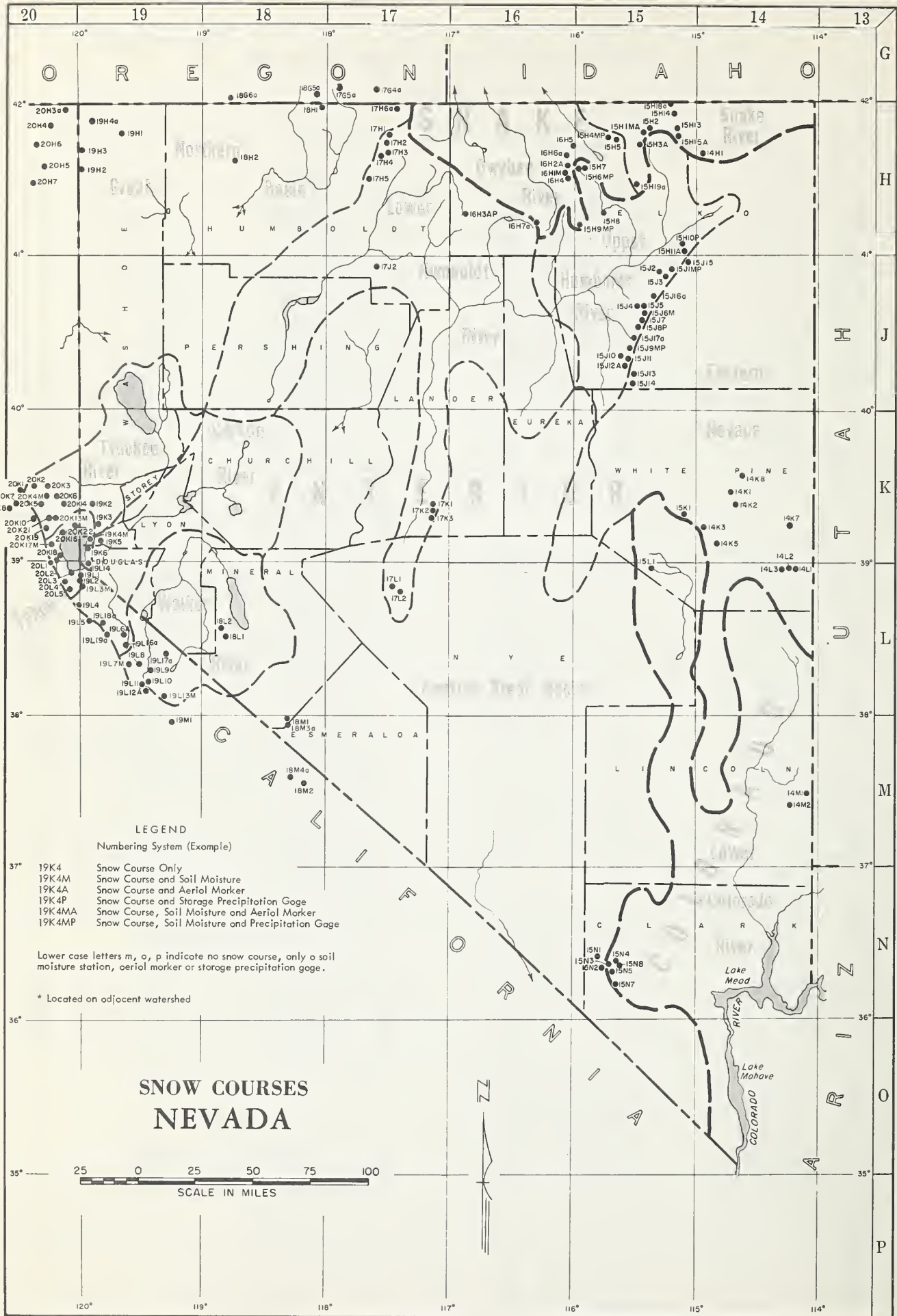
LOWER COLORADO RIVER					
15N5	KYLE CANYON	26	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8300
15N3	LEE CANYON #2	9	19S	56E	9000
15N8	LEE CANYON #3	10	19S	56E	8400
14M1	MATHEW CANYON	11	55	70E	6000
14M2	PINE CANYON	11	65	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE

LOWER CASE LETTERS m, a, p, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER OR STORAGE PRECIPITATION GAGE.

* LOCATED ON ADJACENT WATERSHED



LEGEND
Numbering System (Example)

- | | |
|--------|---|
| 19K4 | Snow Course Only |
| 19K4M | Snow Course and Soil Moisture |
| 19K4A | Snow Course and Aerial Marker |
| 19K4P | Snow Course and Storage Precipitation Gage |
| 19K4MA | Snow Course, Soil Moisture and Aerial Marker |
| 19K4MP | Snow Course, Soil Moisture and Precipitation Gage |

Lower case letters m, o, p indicate no snow course, only o soil moisture station, aerial marker or storage precipitation gage.

* Located on adjacent watershed

SNOW COURSES
NEVADA

25 0 25 50 75 100
SCALE IN MILES

WATER SUPPLY OUTLOOK
FOR NEVADA

March 1, 1965

* * * * *

* Ample to adequate are adjectives which best summarize Nevada's water *
* supply outlook for the coming spring and summer. Water users served *
* from east slope Sierra streams and reservoirs will have a very good to *
* excellent 1965 irrigation water supply. Humboldt water users will *
* have a good water supply comparable to, if not better than, last year. *
* Central and southern Nevada's supplies will be only fair to good. *
* Reservoir storage is the best since 1959. Mountain soils are very wet *
* in western and northern Nevada. The March 1, 1965 snow pack ranges *
* from 120-140 percent of average in the Sierra and 100 percent in the *
* Humboldt to 50-60 percent in southern Nevada. *
* * * * *

STREAMFLOW FORECASTS

East slope Sierra streams are forecast to flow from 125 to 150 percent of average during April-July 1965. Lake Tahoe is forecast to rise 1.80 feet from April 1 assuming gates closed. This rise plus the normal March inflow would bring the lake up to elevation 6229.0, its upper decreed limit.

April-July 1965 streamflow in the Humboldt basin ranges from 100 to 130 percent of average. Central and southern Nevada streamflow will be only fair to good, with the Virgin River forecast at 79 percent of average.

RESERVOIR STORAGE

Stored water in Nevada's principal reservoirs is the best since 1959. Currently these reservoirs hold 948,000 acre feet of water, which is 131 percent of the March 1 average and 69 percent of capacity. Subject to management decisions all reservoirs can be filled to capacity, except for Wildhorse. There should be an above average stored water carryover into the 1966 water year.

SOIL MOISTURE CONDITIONS

Moisture content of mountain soils in northern and western Nevada is excellent. Little, if any, snowmelt water will be lost to these soils. Range forage growth during the spring should be good to excellent.

Soils in southern and south central Nevada are drier and will absorb a considerable portion of the currently below normal snow pack when it melts.

SNOW COVER

February 1965 precipitation in general and snowfall in particular was well below normal in the 20-50 percent of average range. As a result most Sierra and Humboldt snow courses showed little, if any, gain in water content during February. These deficiencies were offset by the heavy snow pack which accumulated during January. As of March 1, the water content of snow by basins or areas is as follows: east slope Sierra - 120-140 percent of the March 1, 1948-62 average; Humboldt-Owyhee - 100 percent; White Pine County - 95 percheht; and Spring Mountains (near Las Vegas)- 60 percent.

NEVADA STREAMFLOW FORECASTS - MARCH 1, 1965

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Basin and Forecast Stream	April-July, Streamflow Thousands Acre Feet				
	Forecast 1965	15-Yr. Av. 1948-62	1965 as % of 15-Yr.Av.	Measured Runoff 1964	1963
<u>TRUCKEE RIVER</u>					
Little Truckee River above Boca, California ³	117	78	150	63	110
Truckee River at Farad, Calif. ^{2,3}	345	269	128	180	277
Lake Tahoe ^{1,3}	1.80	1.47	122	0.90	1.87
<u>CARSON RIVER</u>					
East Carson nr. Gardnerville, Nev.	250	179	140	113	212
West Carson at Woodfords, Calif.	75	52	144	35	*
Carson River nr. Carson City, Nev.	235	169	139	87	218
Carson River at Ft. Churchill, Nev.	220	155	142	70	188
East Carson nr. Gardnerville, Nev. (Date of 200 c.f.s. flow)	8/3	7/20	7/9	7/9	8/5
<u>WALKER RIVER</u>					
East Walker nr. Bridgeport, Calif. ⁴	90	57	158	21	88
West Walker below E. Fork nr. Coleville, Calif.	200	140	143	86	173
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah ⁵	34	43	79	37	18

(Continued)

NEVADA STREAMFLOW FORECASTS - MARCH 1, 1965 (Continued)

Basin and Forecast Stream	April-July, Streamflow Thousands Acre Feet				
	Forecast 1965	15-Yr. Av. 1948-62	1965 as % of 15-Yr.Av.	Measured Runoff 1964	1963
<u>HUMBOLDT RIVER</u>					
Lamoille Creek nr. Lamoille, Nev.	34	26	131	33	30
So. Fk. Humboldt nr. Elko, Nev.	75	60	125	88	75
Marys River above Hot Springs, Nev.	36	34	105	30	27
North Fk. Humboldt at Devils Gate, Nev.	34	34	100	33	22
Humboldt River at Palisade, Nev.	225	173	130	271	216
Humboldt River at Comus, Nev.	170	127	134	207	140
Martin Creek nr. Paradise, Nev.	18	17	106	12	10
<u>SNAKE RIVER</u>					
Owyhee River nr. Owyhee, Nev. ⁶	23	22	105	21	15
Owyhee River nr. Gold Creek, Nev. ⁶	78	74	105	78	70
Salmon Falls Creek nr. San Jacinto, Nevada ⁷	110 107	78 76	141 141	102 98	72 69
<u>SURPRISE VALLEY</u>					
Bidwell Cr. nr. Ft. Bidwell, Cal. ⁸	17.2	14.3**	120	--	13.3
Mill Cr. nr. Cedarville, Calif. ⁸	6.7	5.5	122	5.8	5.5
Deep Cr. nr. Cedarville, Calif. ⁸	4.7	3.8	124	3.9	4.3
Eagle Cr. nr. Eagleville, Calif. ⁸	6.7	5.2	129	5.8	5.2

1. Maximum rise, in feet, from April 1, assuming gates closed.
 2. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
 3. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company and Washoe County Water Conservation District.
 4. For period April through August corrected for storage in Bridgeport Reservoir.
 5. April-June forecast; issued by SCS, Salt Lake City, Utah.
 6. Corrected for storage in Wild Horse Reservoir.
 7. March-Sept. and March-July forecasts respectively; issued by SCS, Boise, Idaho.
 8. April-Sept. forecast; coordinated forecast of SCS and California Dept. of Water Resources, Snow Survey Units.
- * Gage washed out February 1963; record incomplete.
- ** Adjusted average.

STATUS OF RESERVOIR STORAGE

MARCH 1, 1965

Basin and Stream	Reservoir	Usable Capacity (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1965	1964	1963	March 1 15-Yr. Av. 1948-62
Owyhee	Wild Horse	33	9*	25	20	14
Lower Humboldt	Rye Patch	179	139	79	80	63
Colorado	Mohave	1,810	1,683	1,674	1,702	1,357**
Colorado	Mead	27,217	11,361	15,090	22,496	17,037
Tahoe	Tahoe	732	486	350	235	395
Truckee	Boca	41	3	6	32	6
Truckee	Prosser***	30	9	10	10	--
Carson	Lahontan	286	236	225	238	186
West Walker	Topaz	59	45	50	52	34
East Walker	Bridgeport	42	30	42	39	28

* Reservoir drained during summer to effect repairs to dam.

** 1950-62

*** Flood control use allocation of 20,000 A.F. between November 1 and April 10; storage began January 30, 1963.

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre Feet

Month	1959-60	1960-61	1961-62	1962-63	1963-64	1964-65	Average 1948-62
October 1	489	263	65	345	707	498	572
January 1	367	206	57	419	756	785	622
February 1	398	218	73	558	784	911	670
March 1	494	254	210	696	777	948	725
April 1	592	285	318	769	775		776
May 1	632	300	499	844	814		834

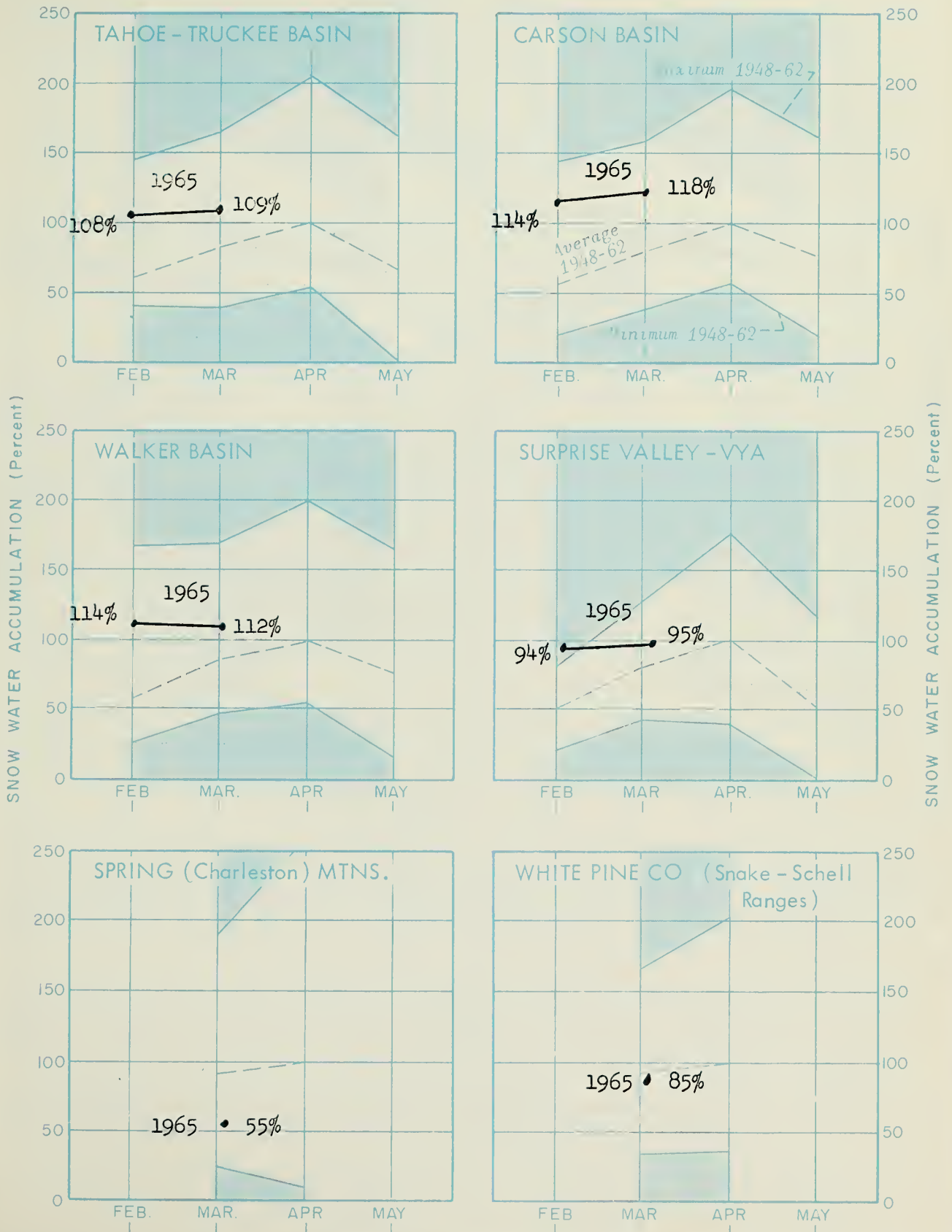
TOTAL USABLE CAPACITY 1,372



SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

As of March 1, 1965

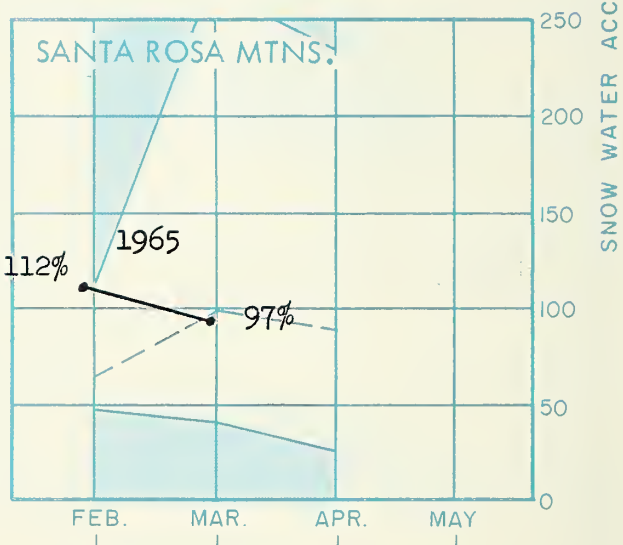
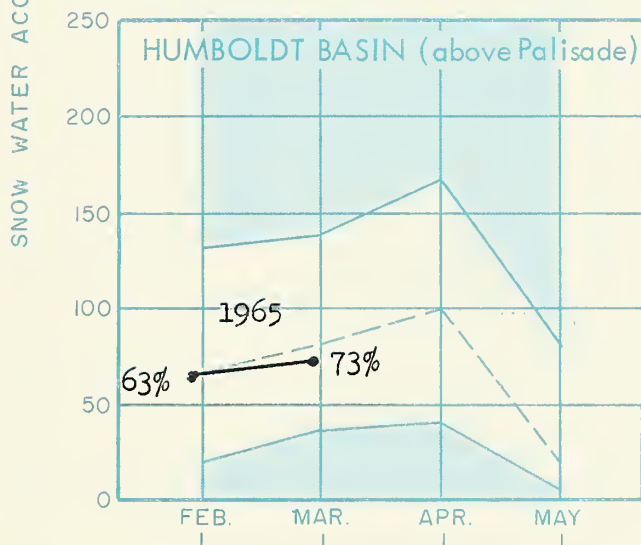
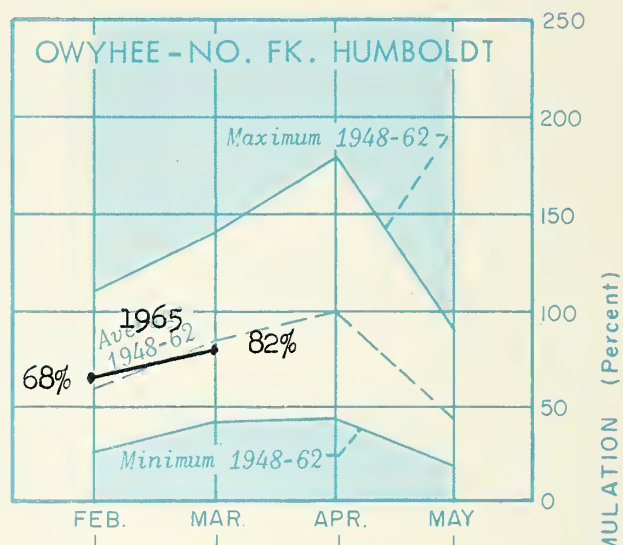
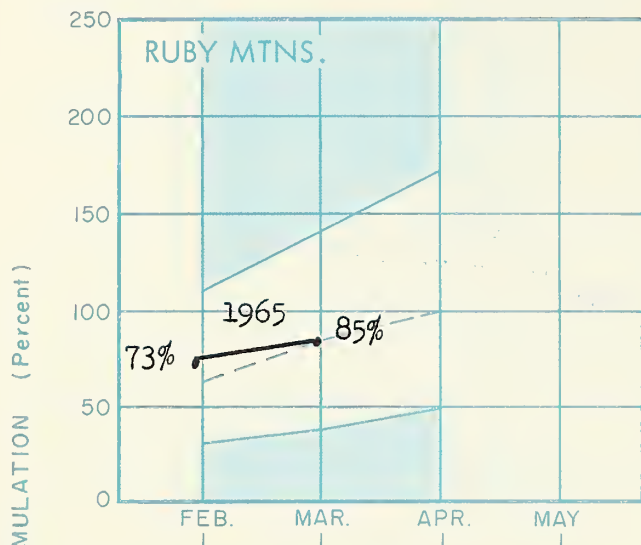


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SNOW WATER ACCUMULATION IN NEVADA

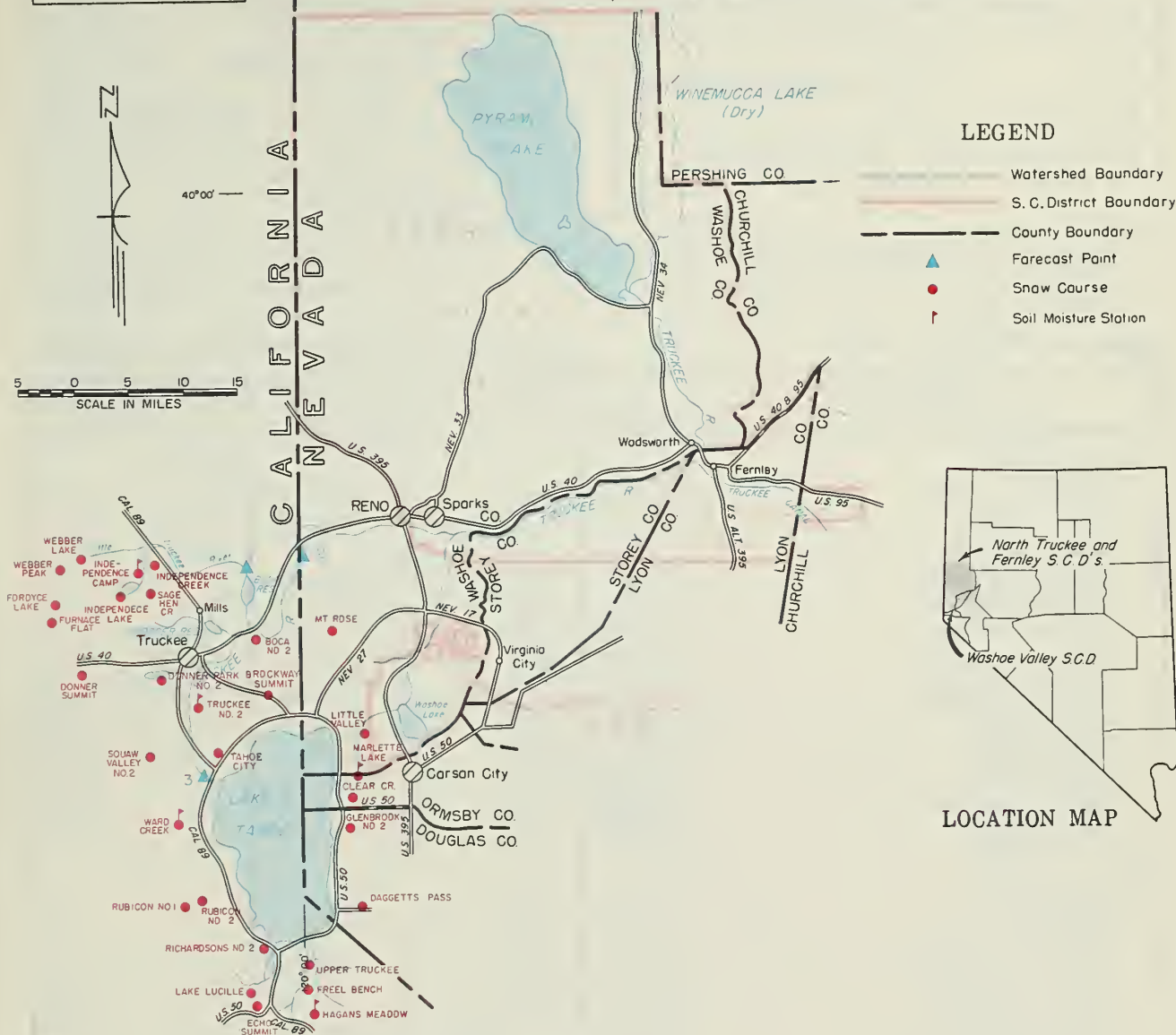
Percent of average maximum accumulation

As of March 1, 1965



WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D.'s.
WASHOE, STOREY & LYON COUNTIES, NEVADA



MARCH 1, 1965

Very little snow fell in the Lake Tahoe and Truckee basins during February. Due to the excellent snow pack which accumulated in January the basin snow pack is 130 percent of the March 1, 1948-62 average. Soil moisture conditions under the snow are excellent. Lake Tahoe held 486,000 acre feet on March 1, 1965 which is 123 percent of average. Boca held 3,000 acre feet on March 1.

The Truckee Basin Water Committee forecasts that Lake Tahoe will rise 1.80 feet from April 1 through the runoff period. The March 1, 1965 elevation was 6227.05. Taking into account March inflow plus 1.80 feet from April 1, the lake would rise to 6229.0 maximum elevation if the gates were kept closed.

The Committee forecast April-July 1965 flow of Truckee at Farad at 345,000 acre feet and Little Truckee above Boca at 117,000 acre feet.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	486	350	395
Boca	41	3	6	6
Prosser <u>b/</u>	29	9	10	--

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Little Truckee River above Boca	117	63	78
2. Truckee River at Farad, Calif.	345	180	269
3. Lake Tahoe rise (In Ft. from Apr. 1 assuming gates closed)	1.80	0.90	1.47

Note: Above forecasts prepared by Truckee Basin Water Committee

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
LAKE TAHOE						
Daggetts Pass	7350	2/25	27	10.5 ^{c/}	5.5 ^{c/}	10.7*
Echo Summit	7500	3/1	104	45.0	20.5	29.8
Freel Bench	7300	2/26	33	15.6	8.2	12.0*
Glenbrook #2	6900	2/27	33	11.6	6.0	11.6*
Hagans Meadow	8000	2/26	52	21.7	10.4	16.9*
Little Valley	6300	3/3	19	7.6	5.4	11.6*
Marlette Lake	8000	2/25	47	19.0	9.8	18.4
Richardsons #2	6500	2/27	46	16.4	10.4	17.6*
Rubicon #1	8100	2/28	123	53.1	28.0	40.4*
Rubicon #2	7500	2/28	83	34.9	16.7	24.7*
Tahoe City	6250	2/26	24	11.6	9.6	11.8
Upper Truckee	6400	2/26	27	11.8	7.1	10.0*
Ward Creek	7000	3/1	108	48.3	24.8	38.6*
TRUCKEE RIVER						
Boca #2	5900	3/2	20	9.3	4.6	7.2*
Brockway Summit	7100	3/1	46	19.1	8.6	--
Donner Park #2	6000	3/2	39	16.0	13.6	17.5*
Donner Summit	6900	2/25	84	39.2	23.5	33.9
Fordyce Lake	6500	Report Delayed			25.9	33.8*
Furnace Flat	6600	Report Delayed			28.2	39.3*
Independence Camp	7000	3/2	60	25.6	14.0	20.5*
Independence Creek	6500	3/2	40	16.4	10.2	13.7*
Independence Lake	8450	3/2	118	50.5	26.4	33.3*
Sage Hen Creek	6500	3/3	47	18.8	12.7	17.4*
Squaw Valley #2	7500	2/26	125	54.6	28.1	44.9*
Truckee #2	6400	3/3	46	18.4	10.6	16.7*

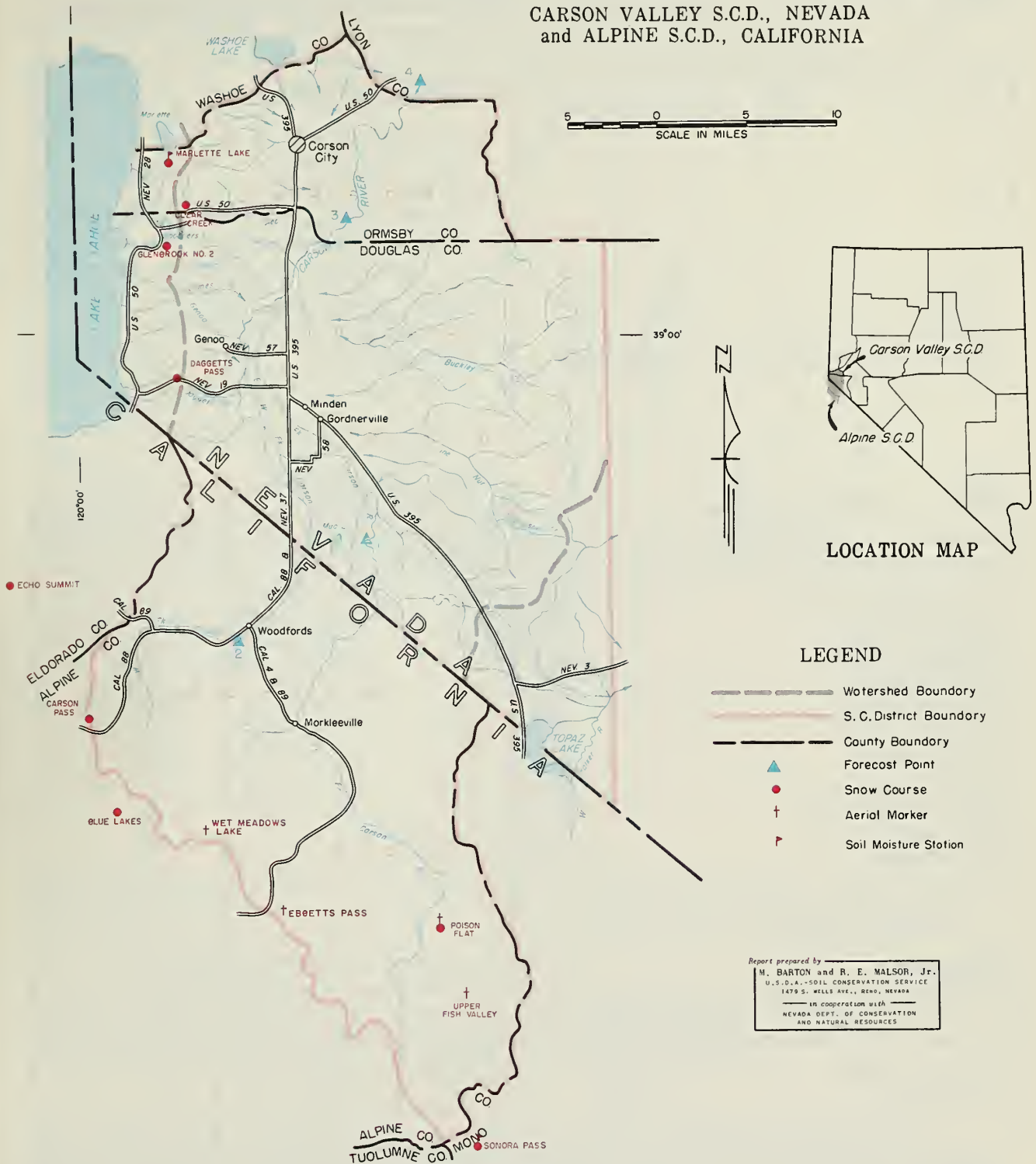
c/ Partial Sample

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagans Meadow	8000	36	3.65	2/26	3.6	2.9	--
Independence Camp	7000	34	6.10	3/2	5.9	5.2	--
Marlette Lake	8000	50	3.70	2/25	3.7	3.6	3.6
Truckee #2	6400	18	3.65	3/3	3.7	2.7	3.6
Ward Creek	7000	49	5.80	3/1	5.8	4.8	5.8

WATER SUPPLY OUTLOOK

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA



MARCH 1, 1965

Carson Valley water users will have an ample irrigation season water supply this spring and early summer. The high and median elevation snow pack in the Carson basin is one of the best in recent years. The snow pack is very dense and snowmelt runoff should be well distributed throughout the irrigation season.

April-July 1965 streamflow is forecast to range from 140-144 percent of average at the East and West Fork gaging stations to 142 percent of average at Ft. Churchill.

Plate 3

(over)

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	236	225	186

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Carson nr. Gardnerville	250	113	179
2. West Carson at Woodfords, Calif.	75	34	52
3. Carson River nr. Carson City	235	87	169
4. Carson River at Ft. Churchill	220	70	155
Date 200 cfs flow E. Carson nr. Gardnerville			
	8/3	7/9	7/20

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Carson Pass, Upper	8600	2/25	92	46.0	19.0	28.2
Clear Creek	7300	3/2	35	13.6	5.8	12.9*
Daggetts Pass	7350	2/25	27	10.5 ^c	5.5 ^c	10.7*
Ebbetts Pass	8700	3/3	70	32.2 ^a	12.2 ^a	--
Echo Summit	7500	3/1	104	45.0	20.5	29.8
Glenbrook #2	6900	2/27	33	11.6	6.0	11.6*
Marlette Lake	8000	2/25	47	19.0	9.8	18.4
Poison Flat	7900	3/3	32	14.4 ^a	8.0 ^a	--
Sonora Pass	8800	2/24	65	27.9	12.4	20.2*
Upper Fish Valley	8050	3/3	42	16.8 ^a	9.8 ^a	--
Wet Meadow Lake	8100	Marker Down			12.6 ^a	--
Wolf Creek	8000	3/3	84	37.8 ^a	New	Marker

c/ Partial sample

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Marlette Lake	8000	50	3.70	2/25	3.7	3.6	3.6
Sonora Pass	8800	48	8.30	2/24	8.3	8.1	8.3

Although February snowfall was only 20-25 percent of normal, the March 1 Carson snow pack is 143 percent of average. Mountain soils under the snow are very wet and will absorb little if any snowmelt water.

The East Carson near Gardnerville is forecast to flow 250,000 acre feet during April-July 1965 which is 140 percent of average. During the same period West Carson is forecast at 75,000 acre feet for 144 percent of average. The East Carson is forecast to drop to 200 c.f.s. on August 3, which is two weeks later than average and nearly four weeks longer than last year. The main river stations at Carson City and Ft. Churchill are forecast to flow 235,000 and 220,000 acre feet. Lahontan held 236,000 acre feet on March 1, 1965, 127 percent of average.

WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D.'s. & VICINITY
CHURCHILL COUNTY, NEVADA



MARCH 1, 1965

The Tahoe-Truckee-Carson watershed's March 1, 1965 snow pack is above normal in the 130-140 percent of average range. Although February precipitation was only 25-30 percent of normal it was offset by the heavy snow pack which accumulated during January.

Water users in the Fallon area will have an ample irrigation season water supply in 1965. Lahontan held 236,000 acre feet on March 1 which is well above average. Lake Tahoe held 486,000 acre feet on March 1.

Carson at Ft. Churchill is forecast to flow 220,000 acre feet during April-July 1965 which is 142 percent of average. During the same time period Truckee at Farad is forecast to flow 345,000 acre feet (128 percent average). Lake Tahoe is forecast to rise 1.80 feet from April 1 assuming gates closed. This rise coupled with the normal March lake rise of .28 foot would bring Lake Tahoe to its upper decreed level of 6229.0 feet above sea level.

Mountain soils are very wet. Thus little, if any, snowmelt water will be needed for soil priming.

Plate 4

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	486	350	395
Lahontan	286	236	225	186

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Truckee River at Farad, Calif.**	345	180	269
Lake Tahoe rise** (In Ft. from April 1 assuming gates closed)	1.80	0.90	1.47
Carson River at Ft. Churchill	220	70	155
** Forecasts prepared by Truckee Basin Water Committee			

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
TRUCKEE						
Boca #2	5900	3/2	20	9.3	4.6	7.2*
Donner Summit	6900	2/25	84	39.2	23.5	33.9
Fordyce Lake	6500	Report Delayed			25.9	33.8*
Furnace Flat	6600	Report Delayed			28.2	39.3*
Independence Camp	7000	3/2	60	25.6	14.0	20.5*
Sage Hen Creek	6500	3/3	47	18.8	12.7	17.4*
TAHOE						
Daggetts Pass	7350	2/25	27	10.5 ^{b/}	5.5 ^{b/}	10.7*
Echo Summit	7500	3/1	104	45.0	20.5	29.8
Hagans Meadow	8100	2/26	52	21.7	10.4	16.9*
Tahoe City	6250	2/26	24	11.6	9.6	11.8
Ward Creek	7000	3/1	108	48.3	24.8	38.6*
CARSON RIVER						
Carson Pass, Upper	8600	2/25	92	46.0	19.0	28.2
Clear Creek	7300	3/2	35	13.6	5.8	12.9*
Sonora Pass	8800	2/24	65	27.9	12.4	20.2*
b/ Partial sample						

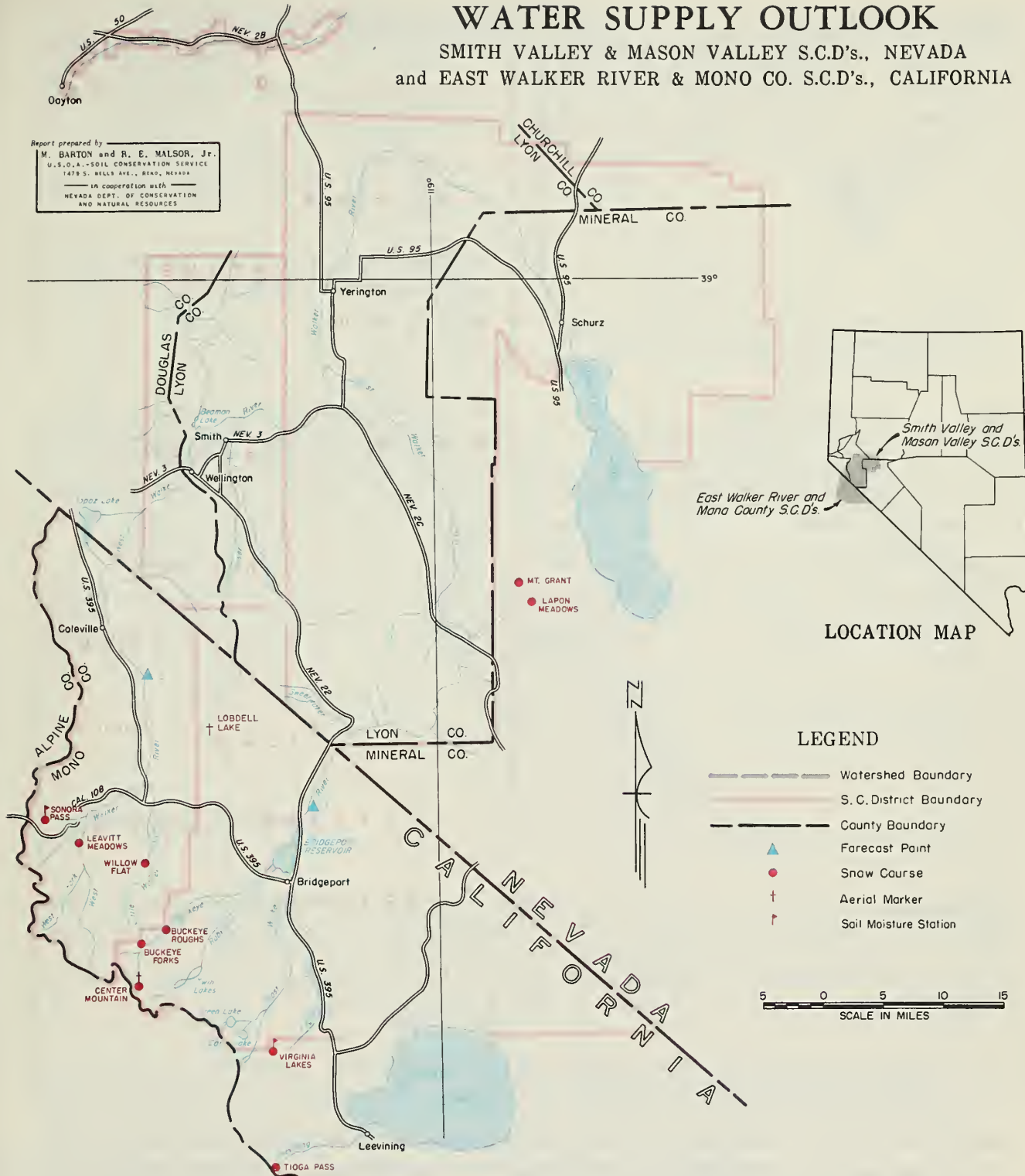
SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagans Meadow	8000	36	3.65	2/26	3.6	2.9	--
Independence Camp	7000	34	6.10	3/2	5.9	5.2	--
Marlette Lake	8000	50	3.70	2/25	3.7	3.6	3.6
Sonora Pass	8800	48	8.30	2/24	8.3	8.1	8.3
Truckee #2	6400	18	3.65	3/3	3.7	2.7	3.6
Ward Creek	7000	49	5.80	3/1	5.8	4.8	5.8

WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D's., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D's., CALIFORNIA

Report prepared by
M. BARTON and R. E. MALSOR, Jr.
U.S.D.A.-SOIL CONSERVATION SERVICE
1478 S. WELLS AVE., RENO, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



MARCH 1, 1965

Although February precipitation and snowfall was much below normal, the snow pack in the Walker River headwaters remains above average. Water users above and below Topaz and Bridgeport Reservoirs will have ample 1965 irrigation season water supplies. Topaz and Bridgeport are holding above average stored water supplies.

Plate 5 (over)

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Topaz	59	45	50	34
Bridgeport	42	30	42	28

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Walker nr. Bridgeport, Cal. **	90	21	57
2. West Walker below E. Fk. nr. Coleville, Calif.	200	86	140
** Apr.-Aug. runoff corrected for change in Bridgeport Reservoir.			

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
NAME	ELEVATION					
Center Mountain	9400	3/3	116	46.4	16.6 ^a	--
Lobdell Lake	9200	3/3	42	16.8	9.8 ^a	--
Sonora Pass	8800	2/24	65	27.9	12.4	20.2*
Virginia Lakes	9500	2/24	48	18.3	8.1	15.9*

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Sonora Pass	8800	48	8.30	2/24	8.3	8.1	8.3
b/ Questionable value--subject to change							

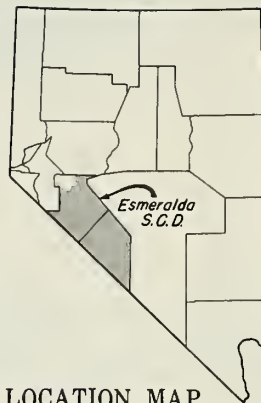
East Walker near Bridgeport is forecast to flow 90,000 acre feet during Apr.-Aug., or 158 percent of, the 1948-62 average. Bridgeport Reservoir held 30,000 acre feet on March 1, 1965.

West Walker near Coleville is forecast to flow 2000,000 acre feet during April-July, or 143 percent of average. Last year's April-July flow was only 86,000 acre feet. Topaz Reservoir currently holds 45,000 acre feet compared to its March 1 average of 34,000 acre feet.

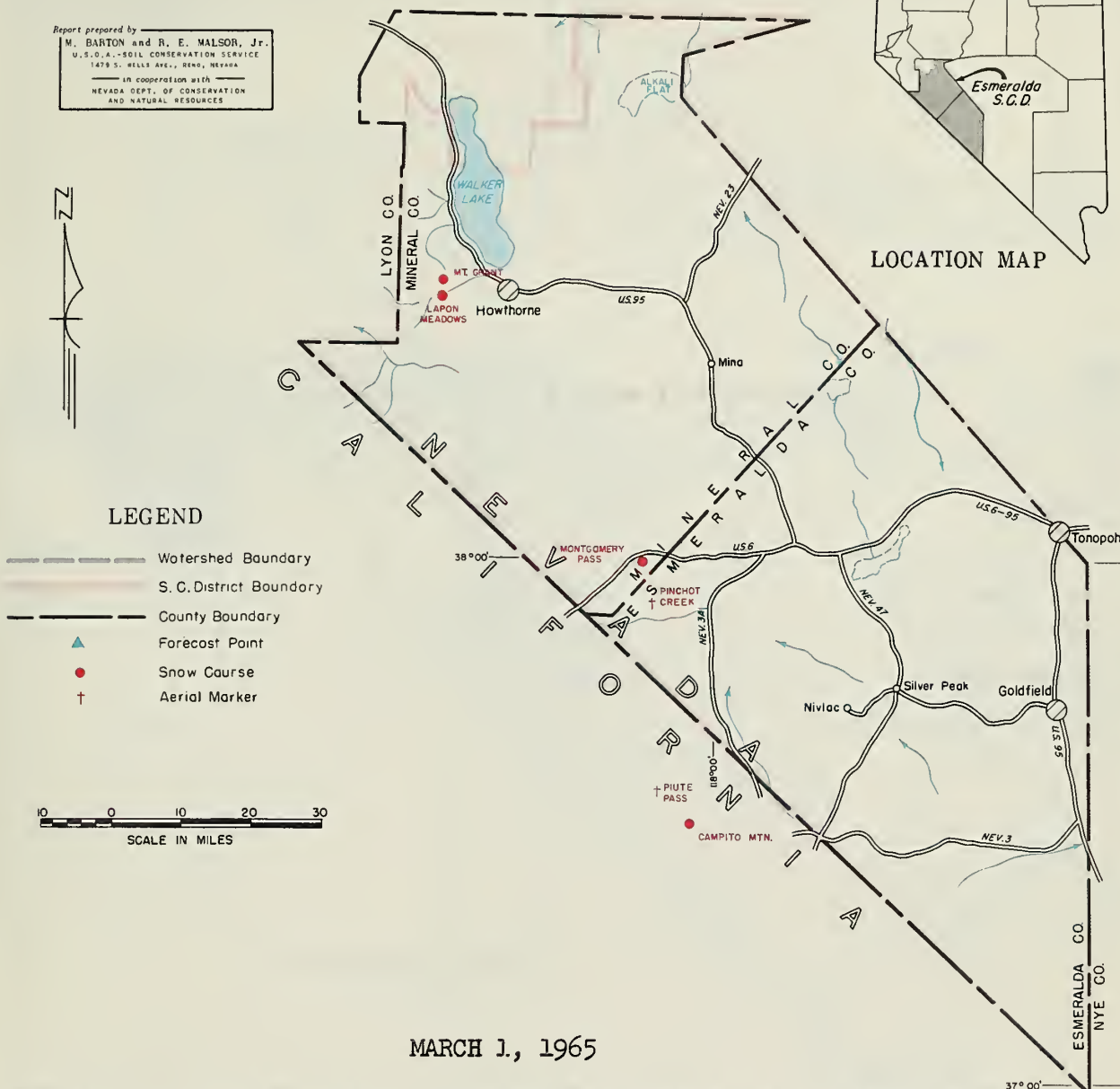
WATER SUPPLY OUTLOOK

ESMERALDA S.C.D., ESMERALDA & MINERAL COUNTIES, NEVADA

Report prepared by
M. BARTON and R. E. WALSON, JR.
U.S.D.A.-SOIL CONSERVATION SERVICE
1479 S. HILLS AVE., DENVER, NEVADA
IN COOPERATION WITH
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



LOCATION MAP



The March 1, 1965 snow pack in the White Mountains is poor again this year. The snow pack ranges from zero at lower elevations to 1.1 inches of snow water at Campito snow course. The Pinchot Creek, Chiatovich Flat, and Piute Pass aerial markers were bare. Last month there was a trace of snow at these three locations and 1.8 inches of water content at Campito.

Ground water recharge from the White Mountains into Fish Lake Valley will be poor this year.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

March 1, 1965

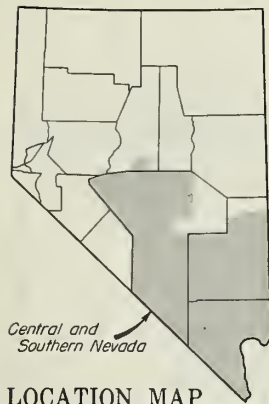
SNOW

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Campito	10,200	2/28	5	1.1	0.0	7.4*
Chiatovich Flat	10,500	3/3	0	0.0	New	Marker
Montgomery Pass	7,100	3/1	0	0.0	0.0	1.9*
Pinchot Creek	9,300	3/3	0	0.0	0.0	--
Piute Pass	11,700	3/3	0	0.0	T	--

WATER SUPPLY OUTLOOK

CENTRAL and SOUTHERN NEVADA
CLARK, LINCOLN & NYE COUNTIES, NEVADA

Report prepared by
M. BARTON and R. E. MALSOR, Jr.
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IN cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- Forecast Point
- Snow Course

20 0 20 40 60
SCALE IN MILES



MARCH 1, 1965

The snow pack in the Spring Mountains near Las Vegas is 58 percent of the March 1 average. This is much better than last year. Groundwater recharge from the Spring Mountains will be fair to good depending on precipitation in March and the spring season.

Pine and Mathew Canyon snow courses in Meadow Valley Wash near Caliente are bare with traces of snow nearby. On the upper Reese River there is little snow below 7500 feet and near average at the higher elevations. Streamflow in these areas will be poor to fair this year if the present trend continues.

Plate 7

(over)

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Mohave	1810	1683	1674	1357**
Mead	27220	11361	15090	17037
** Storage began in 1950				

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Virgin at Virgin, Utah	34	37	43
April-June forecast, by SCS Salt Lake City, Utah			

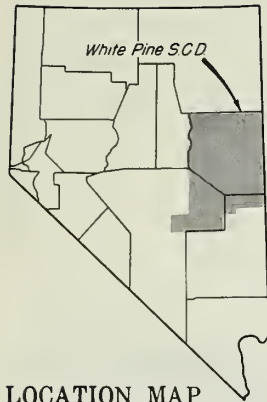
SNOW March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Clark Canyon	9000	3/2	17	5.3	1.4	7.1*
Kyle Canyon	8200	3/1	15	4.7	1.4	8.9
Lee Canyon #1	8300	3/1	11	4.3	1.2	7.6
Lee Canyon #2	9000	3/1	18	5.2	2.4	8.4
Lee Canyon #3	8400	3/1	15	5.0	0.9	--
Rainbow Canyon #2	8100	3/1	27	8.5	2.7	13.2
Trough Springs	8500	3/2	7	2.5	1.1	6.1
MEADOW VALLEY SCD						
Mathew Canyon	6200	3/1	0	0.0	1.1	2.0*
Pine Canyon	6000	3/1	0	0.0	1.3	2.1*
TONOPAH SCD						
Lower Corral	7500	2/26	0	0.0	0.2	1.4*
Upper Corral	8500	2/26	11	4.2	2.4	4.5*

The Virgin River at Virgin, Utah is forecast to flow 34,000 acre feet during April-June or 79 percent of average. This flow is very similar to last year's flow of 37,000 acre feet. The Virgin River water users in the Mesquite area can expect an irrigation season water supply similar to last year.

WATER SUPPLY OUTLOOK

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



LOCATION MAP

LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course

Report prepared by
M. BARTON and R. E. MALSOR, Jr.
U.S.D.A. - SOIL CONSERVATION SERVICE
1479 S. WELLS AVE., RENO, NEVADA
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AND NATURAL RESOURCES



MARCH 1, 1965

Snow pack in White Pine County is 90 percent of the March 1 average, streamflow will be fair to good.

In the Baker and Silver Creek area the snow pack is 118 percent of average. This amount of snow should insure an adequate water supply this spring and summer.

Snow pack in the Schell Creek Range is 103 percent of average. An adequate water supply is expected in this area.

Plate 8 (Over)

STORAGE (1,000 Ac. Ft.)

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

SNOW March 1, 1965

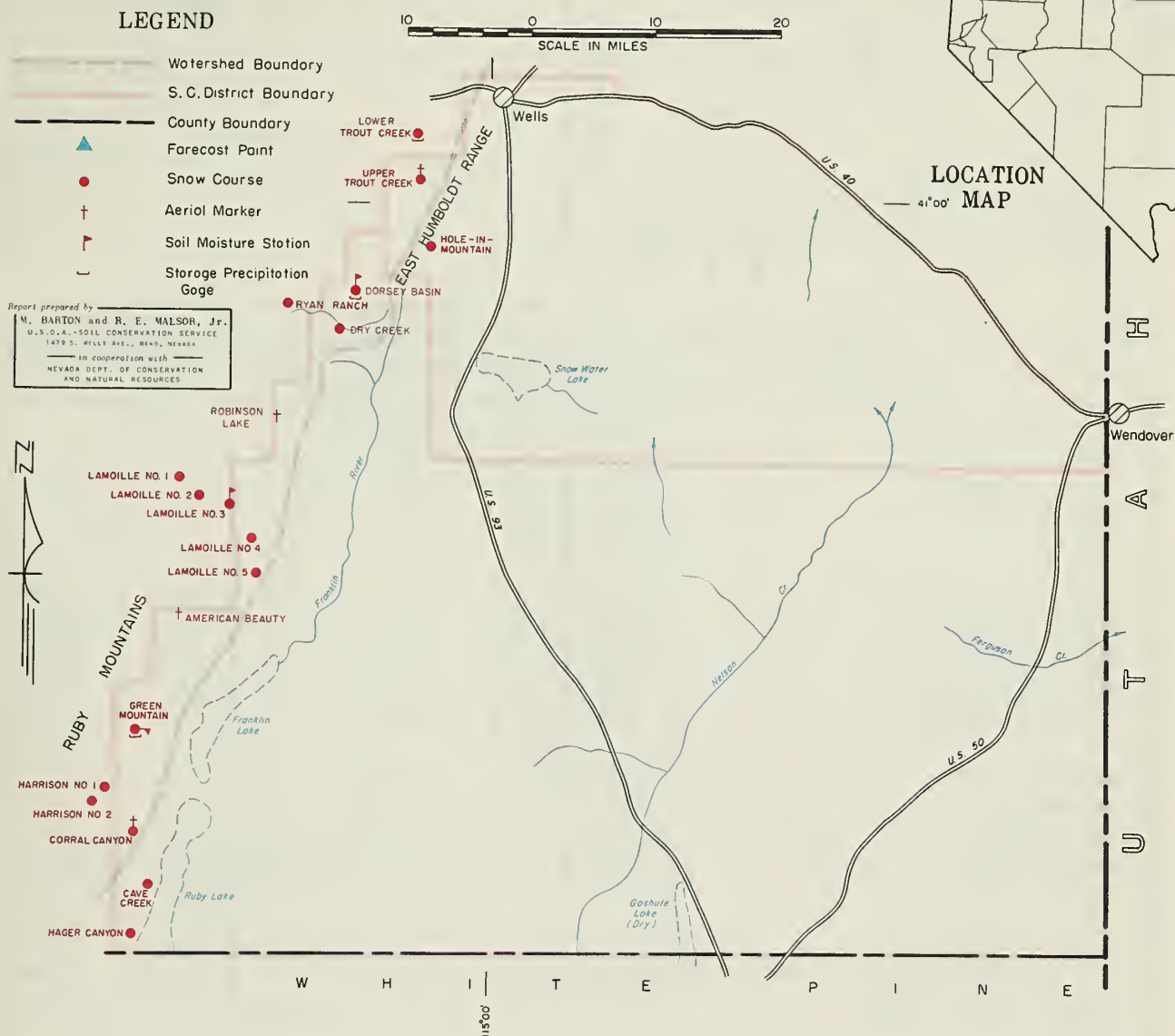
SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Baker #1	7950	2/26	20	5.7	4.0	5.9
Baker #2	8950	2/26	44	15.0	7.3	13.5
Baker #3	9250	2/26	51	17.7	10.3	15.1
Berry Creek	9100	3/1	46	14.8	8.2	12.6
Bird Creek	7500	3/1	13	3.7	2.9	4.0
Cave Creek	7500	2/25	37	13.8	12.1	13.5
Hager Canyon	8000	2/25	61	23.7	11.5	18.0
Kalamazoo Creek	7400	2/24	23	7.1	4.7	7.1*
Murray Summit	7250	3/2	T	T	2.1	3.3
Robinson Summit	7600	3/1	T	T	3.1	3.2*
Silver Creek #2	8000	2/25	22	6.6	2.6	4.5*
Ward Mtn. #2	8900	Not Surveyed			3.5	16.7*
White River #1	7400	3/2	T	T	1.5	2.9*

Two courses were measured on the Ruby Mountains above the Ruby Wildlife Refuge and were found to be 117 percent of average. The water supply should be good in this area.

There is only a trace of snow at the lower elevations near Ely. If this trend continues streamflow will be fair in this area.

WATER SUPPLY OUTLOOK

CLOVER & RUBY S.C.D.'s., ELKO COUNTY, NEVADA



MARCH 1, 1965

Ranchers in the Clover and Ruby Valley Soil Conservation Districts will have a good irrigation water supply this coming season. Streamflow from the Ruby Mountains will range from normal to above normal depending on precipitation in the spring and summer months.

The snow pack ranges from 56 percent of the March 1 average at Harrison Pass to 167 percent at Hole-in-the-Mountain snow course. There is no snow below 6500 feet. Mountain soils are well wetted and this will minimize the amount of snow stored water needed for priming the soils before runoff occurs.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

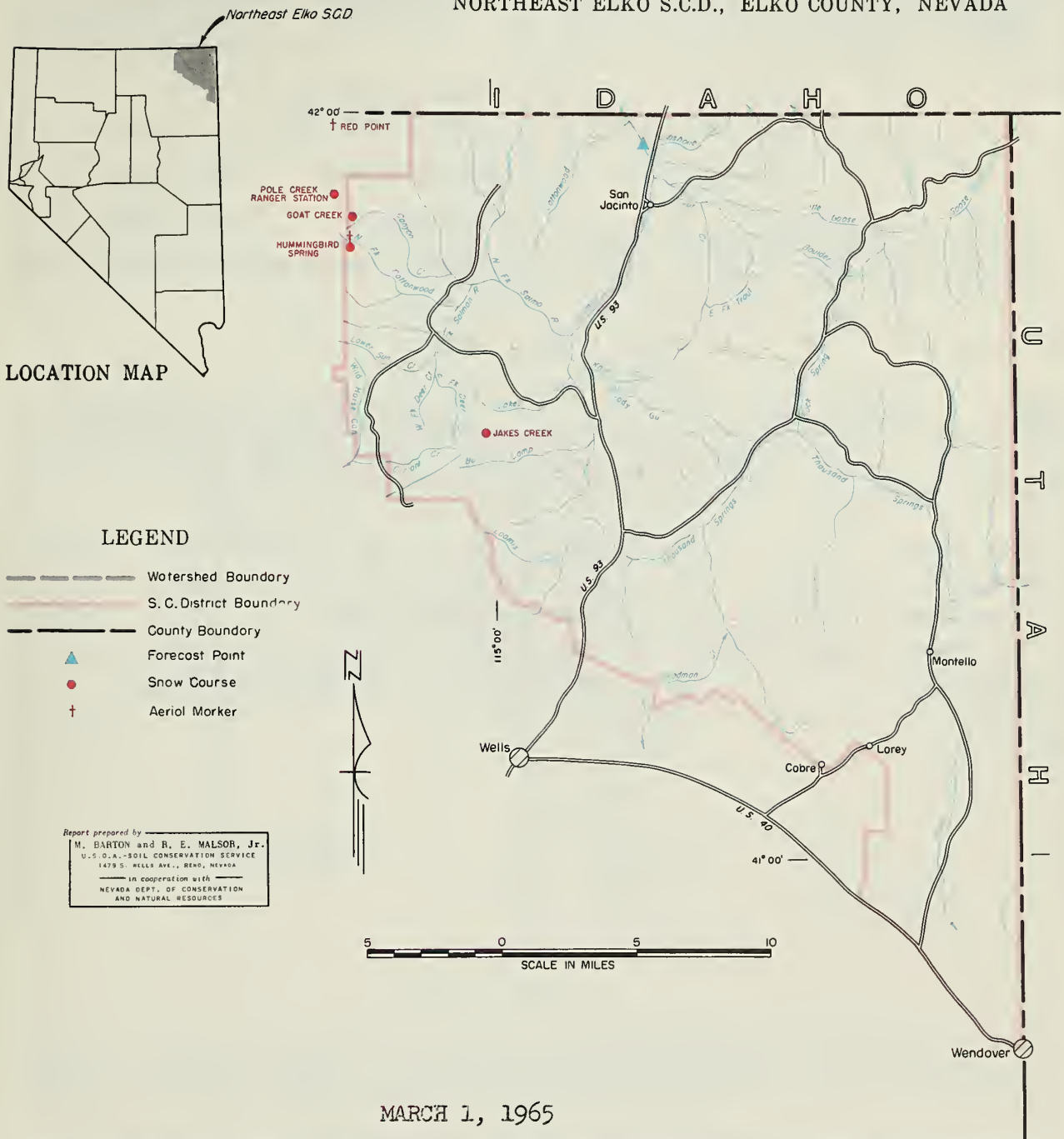
SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
American Beauty	7800	Marker Down			8.5 ^a	--
Cave Creek	7500	2/25	37	13.8	12.1	13.5
Corral Canyon	8500	3/2	49	17.0	11.2 ^a	16.0*
Dorsey Basin	8100	3/4	33	10.1	10.3	10.5
Dry Creek	6500	3/4	0	0.0	5.2	4.6
Green Mountain	8000	2/23	41	13.5	10.2	11.8*
Hager Canyon	8000	2/25	61	23.7	11.5	18.0
Harrison Pass #1	6600	2/23	8	2.0	5.7	4.2
Harrison Pass #2	7400	2/23	14	3.8	6.2	5.9*
Hole-in-Mountain	7900	2/27	72	29.4	14.2	17.6*
Lamoille #1	7100	3/3	25	8.2	7.8	9.3
Lamoille #2	7300	3/3	25	7.4	7.4	8.8
Lamoille #3	7700	3/3	40	16.0	8.5	11.4
Lamoille #4	8000	3/3	61	22.5	11.0	16.6
Lamoille #5	8700	3/3	81	32.6	15.2	24.3*
Ryan Ranch	5800	3/4	0	0.0	3.0	1.9
Trout Creek, Lower	6900	2/26	T	T	4.7	3.1*
Trout Creek, Upper	8500	3/2	54	21.6 ^a	--	18.7*

WATER SUPPLY OUTLOOK

NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA



Mountain snow pack in the Salmon Falls Creek headwaters in the Northeast Elko SCD is 140 percent of average. Mountain soils are very wet. Spring and early summer 1965 runoff will be very good.

Salmon Falls Creek near San Jacinto is forecast to flow 107,000 acre feet during March-July 1964, which is 141 percent of average.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1.Salmon Falls Cr. near San Jacinto			
March-September	110	102	78
March-July	107	98	76
Forecasts issued by SCS, Boise, Idaho			

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Goat Creek	8800	2/25	64	22.0	13.9	15.9*
Hummingbird Springs	8945	2/25	74	25.4	16.9	18.4*
Jakes Creek	7000	Report Delayed			6.5	4.0*
Pole Creek Ranger Station	8330	2/25	64	22.7	16.5	15.7*
Red Point	7940	2/25	34	10.0	12.6 ^a	--

WATER SUPPLY OUTLOOK

DUCK VALLEY & OWYHEE S.C.D.'s. ELKO COUNTY, NEVADA



MARCH 1, 1965

Mountain snow pack in the Owyhee and Duck Valley SCD's is 94 percent of the March 1, 1948-62 average. Above 7500 feet the snow pack is 125 percent of average or more. Soils under the snow are very wet.

April-July 1965 streamflow in this area will be good if normal conditions prevail. Wildhorse reservoir currently holds 9,000 acre feet. With the anticipated streamflow and assuming the usual irrigation water withdrawals Wildhorse will not spill this year.

The Owyhee near Gold Creek is forecast to flow 23,000 acre feet during April-July or 105 percent of average. Downstream the Owyhee near Owyhee is forecast to flow 78,000 acre feet or 105 percent of its April-July average.

Plate 11

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	33	9	25	14

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1.Owyhee River nr. Owyhee**	78	78	74
2.Owyhee River nr. Gold Creek**	23	21	22

** Corrected for change in storage in Wild Horse Reservoir.

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Bear Creek	7800	2/25	70	24.5	12.8	16.6*
Big Bend	6700	2/24	24	7.4	8.5	8.5
Columbia Basin	6650	3/2	20	6.3 ^a /	10.1 ^a /	--
Fawn Creek	7000	3/2	1	0.3 ^a /	New Marker	
Fox Creek	6800	2/25	37	11.8	10.2	9.4*
Fry Canyon	6700	2/24	17	5.4	6.1	7.8
Gold Creek	6600	2/24	15	4.5	7.8	6.1*
Jack Creek, Upper	7250	3/2	22	6.8 ^a /	10.0 ^a /	9.5*
Laurel Draw	6700	2/25	20	6.4	7.8	7.9*
Merritt Mountain	7800	3/2	4	1.2 ^a /	New Marker	
Midas	7200	3/2	T	T ^a /	1.8 ^a /	--
Rodeo Flat	6800	2/24	14	4.2	5.7	7.3
76 Creek	7100	3/2	30	9.9 ^a /	8.6 ^a /	11.5*
Stag Mountain	7700	3/2	20	6.2 ^a /	7.3 ^a /	--
Taylor Canyon	6200	2/25	12	4.4	4.6	4.6
Toe Jam	7700	3/2	21	6.8 ^a /	9.5 ^a /	--
Tremewan Ranch	5700	2/24	T	T	3.2	1.4

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Bear Creek	7800	72	16.9	2/25	14.4	9.6	7.6
Big Bend	6700	48	16.7	2/24	16.5	15.7	15.2
Rodeo Flat	6800	42	11.0	2/24	11.0	8.9	10.6
Taylor Canyon	6200	48	15.1	2/25	15.0	12.6	12.4

HUMBOLDT RIVER
CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA

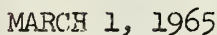


Plate 12

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	139	79	63

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Lamoille Cr. nr. Lamoille	34	33	26
2. So. Fk. Humboldt River nr. Elko	75	88	60
Marys River above Hot Springs Cr.	36	30	34
No. Fk. Humboldt at Devils Gate	34	33	34
3. Humboldt River at Palisade	225	271	173
4. Humboldt River at Comus	170	207	127
5. Martin Creek nr. Paradise Valley	18	12	17

SNOW

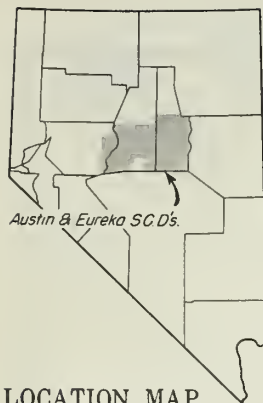
March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
Hummingbird Springs	8945	2/25	74	25.4	16.9	18.4*
Bear Creek	7800	2/25	70	24.5	12.8	16.6*
Big Bend	6700	2/24	24	7.4	8.5	8.5
Fawn Creek	7000	3/2	1	0.3a	New Marker	
Fox Creek	6800	2/25	37	11.8	10.2	9.4*
Fry Canyon	6700	2/24	17	5.4	6.1	7.8
Gold Creek	6600	2/24	15	4.5	7.8	6.1*
Jack Creek, Upper	7250	3/2	22	6.8a	10.0a	9.5*
Merritt Mountain	7800	3/2	4	1.2a	New Marker	
Rodeo Flat	6800	2/24	14	4.2	5.7	7.3
76 Creek	7100	3/2	30	9.9a	8.6a	11.5*
Stag Mountain	7700	3/2	20	6.2a	7.3a	--
Taylor Canyon	6200	2/25	12	4.4	4.6	4.6
Toe Jam	7700	3/2	21	6.5a	9.5a	--
Tremewan Ranch	5700	2/24	T	T	3.2	1.4
American Beauty	7800		Marker Down		8.5a	--
Cave Creek	7500	2/25	37	13.8	12.1	13.5
Corral Canyon	8500	3/2	49	17.0	11.2	16.0*
Dorsey Basin	8100	3/4	33	10.1	10.3	10.5
Dry Creek	6500	3/4	0	0.0	5.2	4.6
Green Mountain	8000	2/23	41	13.5	10.2	11.8*
Hager Canyon	8000	2/25	61	23.7	11.5	18.0
Harrison Pass #1	6600	2/23	8	2.0	5.7	4.2
Harrison Pass #2	7400	2/23	14	3.8	6.2	5.9*
Hole-in-Mountain	7900	2/27	72	29.4	14.2	17.6*
Lamoille #1	7100	3/3	25	8.2	7.8	9.3
Lamoille #2	7300	3/3	25	7.4	7.4	8.8
Lamoille #3	7700	3/3	40	16.0	8.5	11.4
Lamoille #4	8000	3/3	61	22.5	11.0	16.6
Lamoille #5	8700	3/3	81	32.6	15.2	24.3*
Ryan Ranch	5800	3/4	0	0.0	3.0	1.9
Trout Creek, Lower	6900	2/26	T	T	4.7	3.1*
Trout Creek, Upper	8500	3/2	54	21.6a	--	18.7*
Midas	7200	3/2	T	T a	1.8a	--
Golconda #2	6000	3/1	7	2.6	5.0	3.5*
Buckskin, Lower	6700	2/25	18	7.3	6.9	8.5*
Buckskin, Upper	7200	2/25	20	8.4	5.5	7.9*
Granite Peak	7800	2/26	45	18.9	7.2	10.9
Lamance Creek	6000	2/26	20	7.8	8.5	8.9
Martin Creek	6700	2/25	25	10.4	6.6	8.9

WATER SUPPLY OUTLOOK

AUSTIN & EUREKA S.C.D's., CHURCHILL, EUREKA
& LANDERS COUNTIES, NEVADA

Report prepared by
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1479 S. HILLS AVE., Reno, NEVADA
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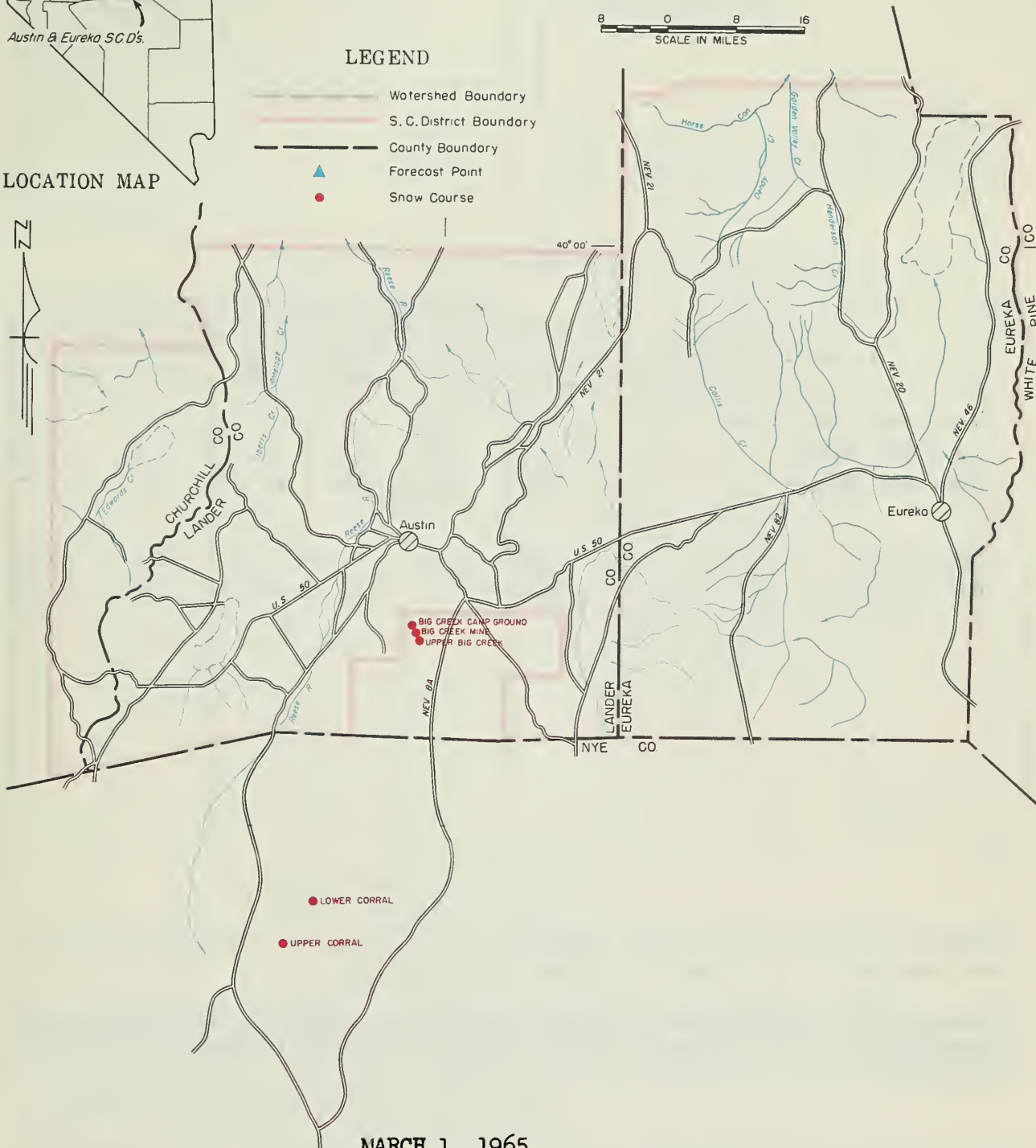


LOCATION MAP

LEGEND

- Watershed Boundary
- S.C. District Boundary
- - - County Boundary
- ▲ Forecast Point
- Snow Course

8 0 8 16
SCALE IN MILES



Snow surveys in the Big Creek area indicate a mountain snow pack of 10 to 119 percent of average. The snow pack below the 7500 foot elevation is poor and ranges from fair to good at higher elevations.

Plate 13

(over)

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated, * 1948-62 adjusted average.

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Big Creek Camp Ground	6600	2/26	1	0.2	1.5	1.9*
Big Creek Mine	7600	2/26	15	4.4	4.0	3.7*
Upper Big Creek	7800	2/26	17	4.4	5.4	5.8*
Lower Corral	7500	2/26	0	0.0	0.2	1.4*
Upper Corral	8500	2/26	11	4.2	2.4	4.5*

Mountain snowpack on the upper Reese River is negligible below 7500 feet and near average in the higher elevations.

Streamflow in the Big Creek and Upper Reese River areas will be fair in early season to poor in late season unless there is a decided increase in the snow pack

Kings River, Paradise Valley &
Quinn River S.C.D's.

WATER SUPPLY OUTLOOK

KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D's. HUMBOLDT COUNTY, NEVADA

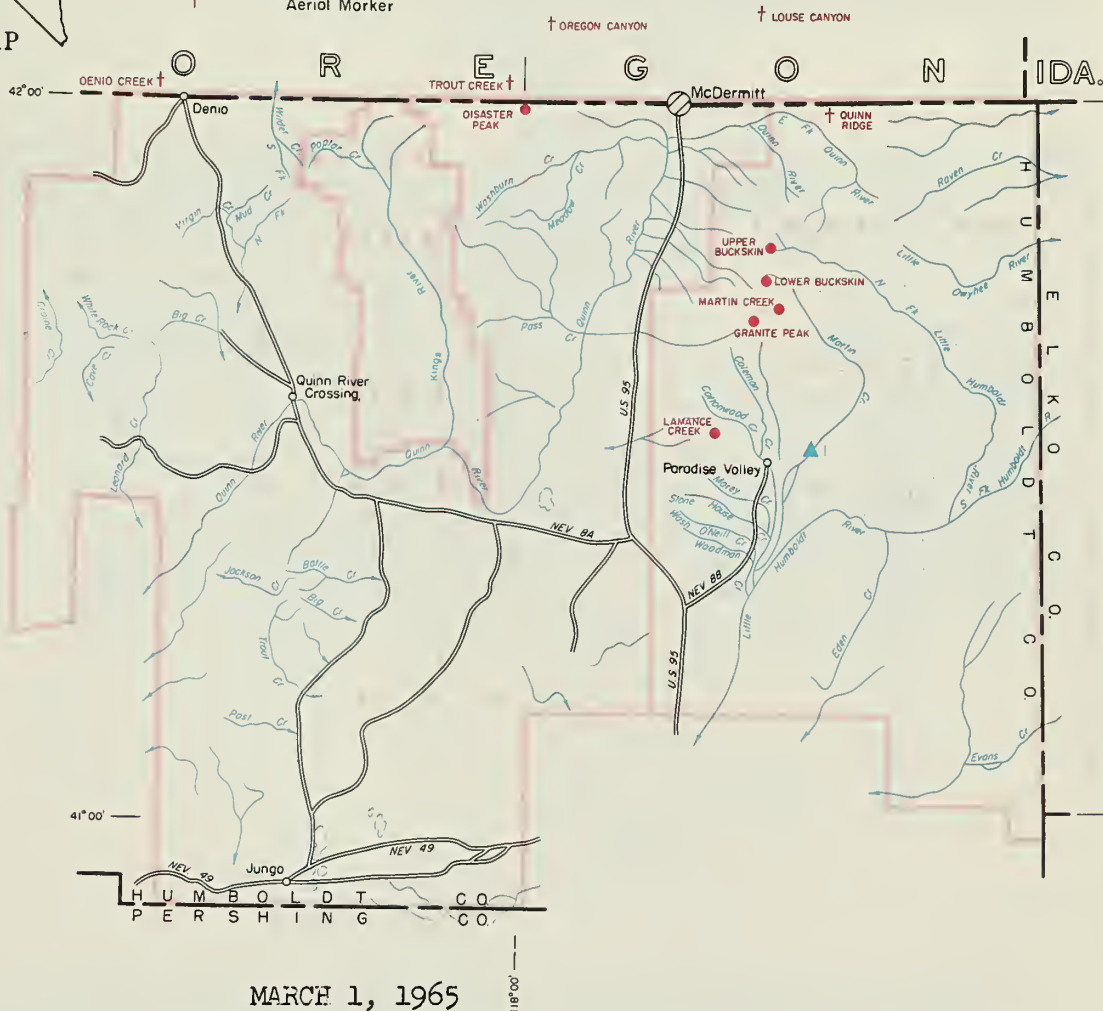
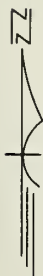
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SCALE IN MILES

LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Marker

Report prepared by
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U.S.D.A. - SOIL CONSERVATION SERVICE
1479 S. HILLS AVE., DENO, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

LOCATION MAP



MARCH 1, 1965

Although there is no snow at the lower elevations, snow pack in the Santa Rosa Mountains is good for this time of year. The snow pack is 109 percent of the March 1 average in this area. Paradise Valley ranchers can expect a good irrigation season water supply this year.

Streamflow should be normal to above normal. Martin Creek is forecast to flow 18,000 acre feet or 106 percent of average.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	139	79	63

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

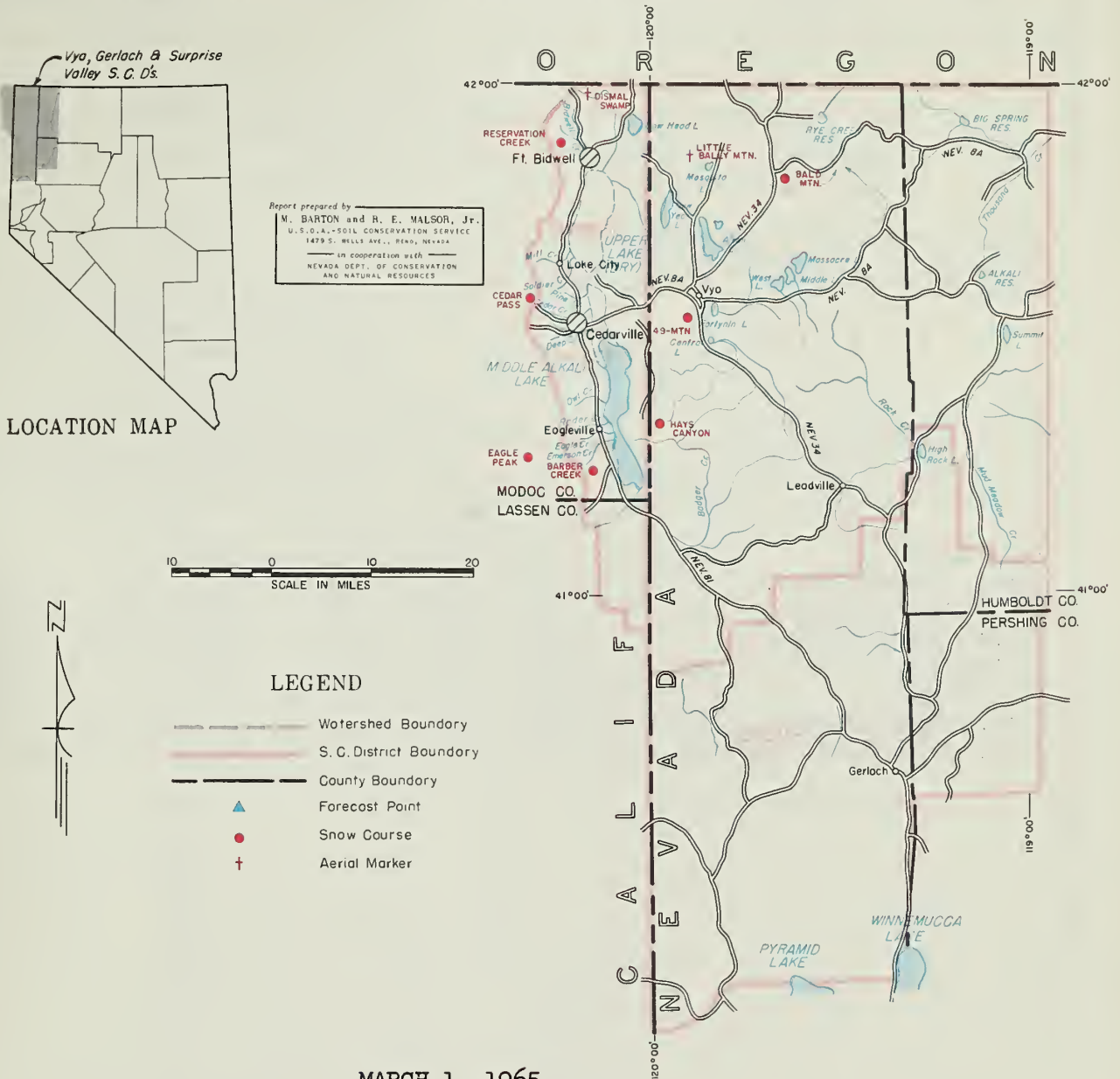
FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Martin Creek nr. Paradise Valley	18	12	17
2. Humboldt River at Palisade	225	271	173
3. Humboldt River at Comus	170	207	127

SNOW March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Buckskin, Lower	6700	2/25	18	7.3	6.9	8.5*
Buckskin, Upper	7200	2/25	20	8.4	5.5	7.9*
Disaster Peak	6500	3/2	29	12.3	13.1	14.6*
Denio Creek (Oregon)	6000	2/25	0	0.0 ^a /	0.6 ^a /	--
Granite Peak	7800	2/26	45	18.9	7.2	10.9
Lamance Creek	6000	2/26	20	7.8	8.5	8.9
Louse Canyon (Oregon)	6440	2/25	2	0.9 ^a /	1.5 ^a /	--
Martin Creek	6700	2/25	25	10.4	6.6	8.9
Oregon Canyon (Oregon)	7240	2/25	8	3.7 ^a /	6.0 ^a /	--
Quinn Ridge	6300	2/25	0	0.0 ^a /	2.1 ^a /	--
Trout Creek (Oregon)	7800	2/25	20	9.2 ^a /	5.4 ^a /	--

WATER SUPPLY OUTLOOK

VYA & GERLACH S.C.D.'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA



Surprise Valley water users will have ample irrigation season water supplies this coming spring and summer. Coordinated forecasts of the California Department of Water Resources and Soil Conservation Service snow survey units indicate that April-September 1965 streamflow will range from 120 to 129 percent of average.

Water content of snow in the Surprise Valley and Vya SCD's is above average at 115 percent of the March 1 average. October 1964-February 1965 precipitation at Cedarville was 9.07 inches compared to an average of 7.56 inches.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Bidwell Creek nr. Ft. Bidwell	17.2	--	14.3*
Mill Creek above all diversions	6.7	5.8	5.5
Deep Creek above all diversions	4.7	3.9	3.8
Eagle Creek nr. mouth of canyon	6.7	5.8	5.2

Note: April-Sept. forecasts.

Coordinated forecasts of SCS
and Calif. Dept. Water Resources
Snow Survey Units.

SNOW

March 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Bald Mountain	6720	2/24	6	2.4	2.3	3.5
Barber Creek (Calif.)	6500	2/25	35	14.1	8.8	10.5*
Cedar Pass (Calif.)	7100	2/26	43	17.3	8.9	13.8
Dismal Swamp (Oregon)	7000	2/23	45	18.0 ^a	9.0 ^a	15.8*
49 Mountain	6000	2/26	12	5.3	4.1	4.3*
Hays Canyon	6400	2/25	11	4.2	4.1	3.8*
Little Bally Mountain	6000	2/23	3	1.2 ^a	1.2 ^a	--
Reservation Creek (Calif.)	5900	2/25	26	10.4	11.4	10.4*

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Water Resources
- Colorado River Commission of Nevada
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Virginia City Water Company
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
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COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*